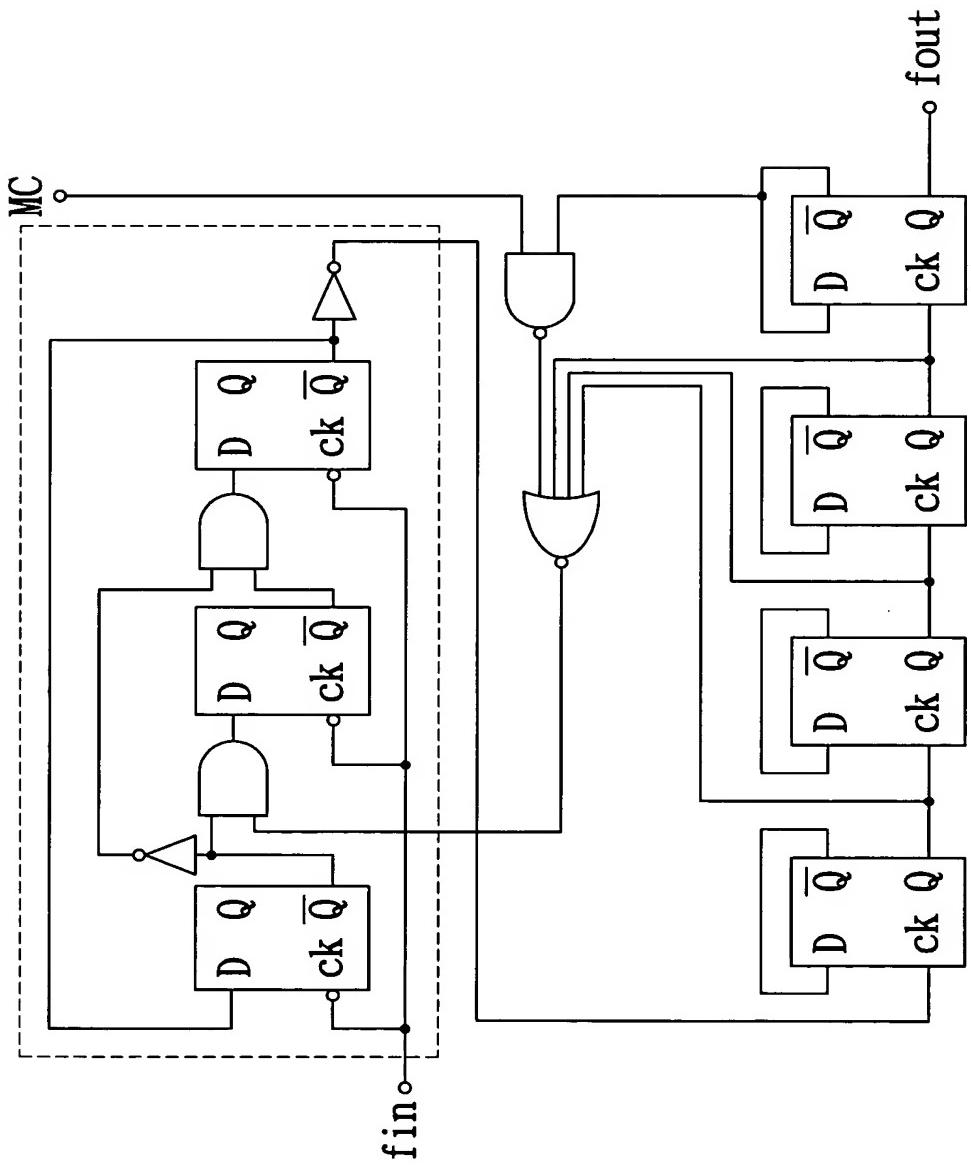


**FIG. 1A**  
PRIOR ART



**FIG. 1B**  
PRIOR ART

MC	f <sub>out</sub>
0	f <sub>in/64</sub>
1	f <sub>in/65</sub>

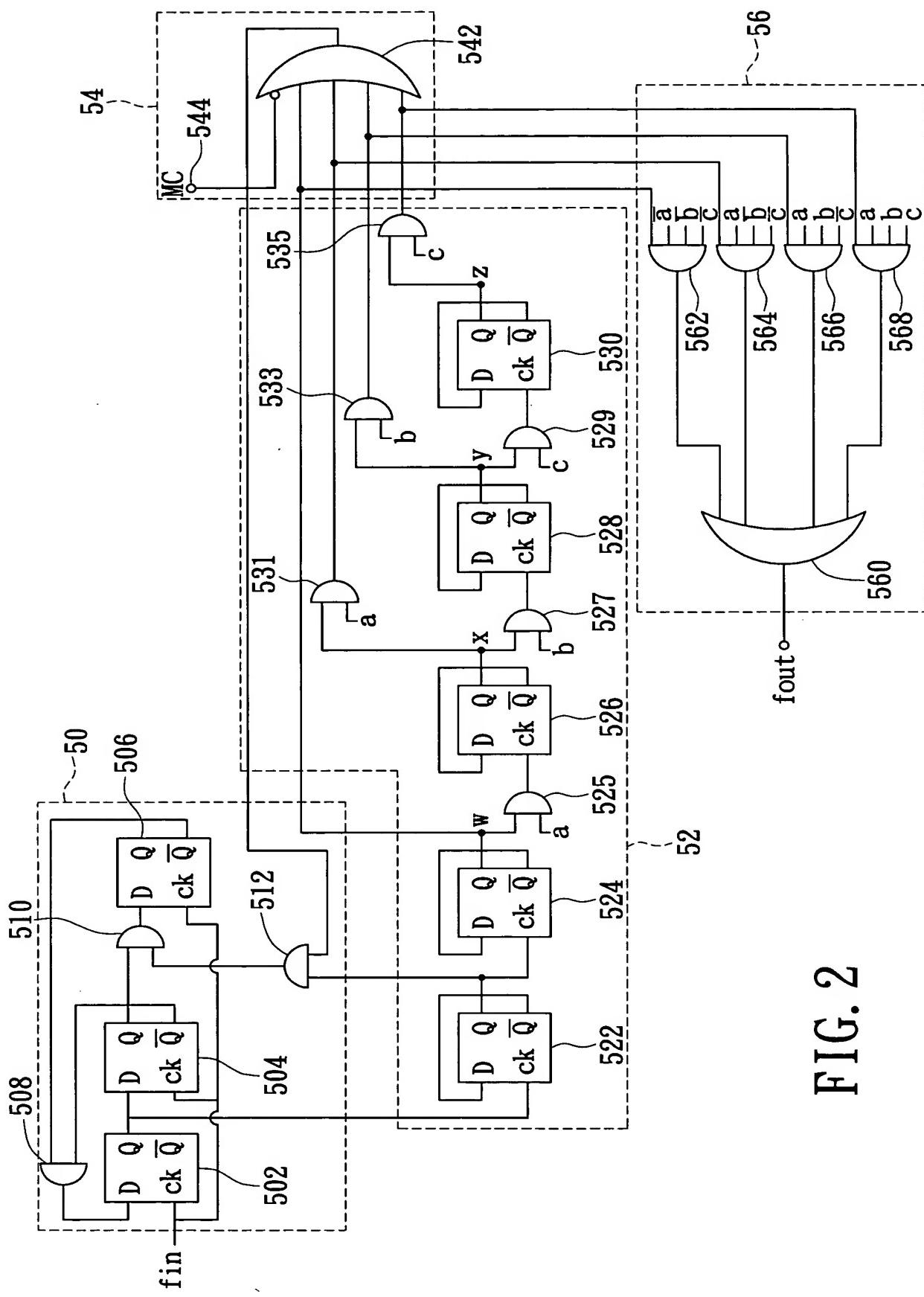
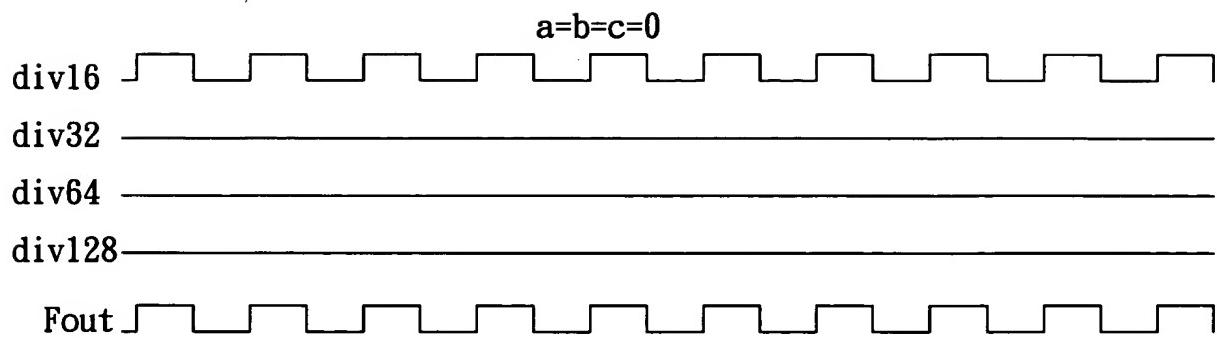
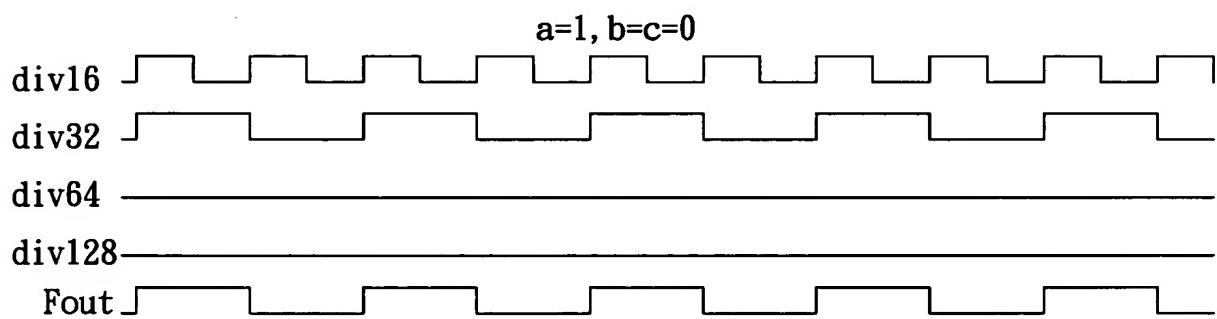


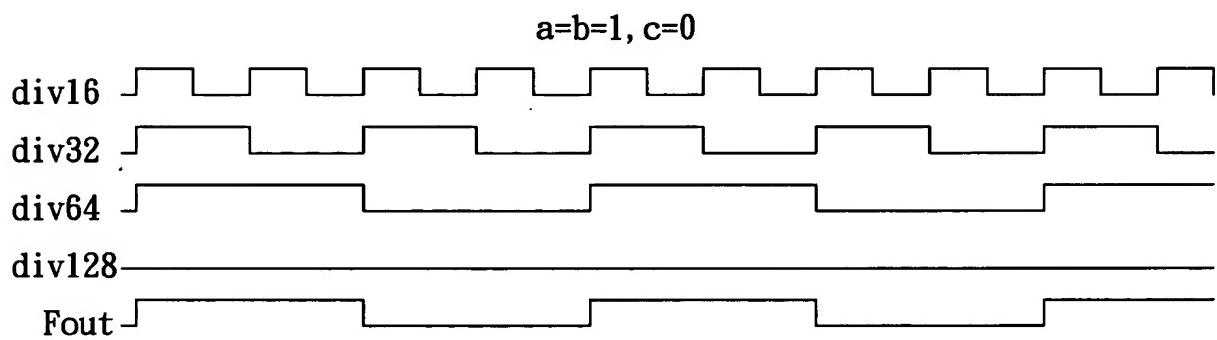
FIG. 2



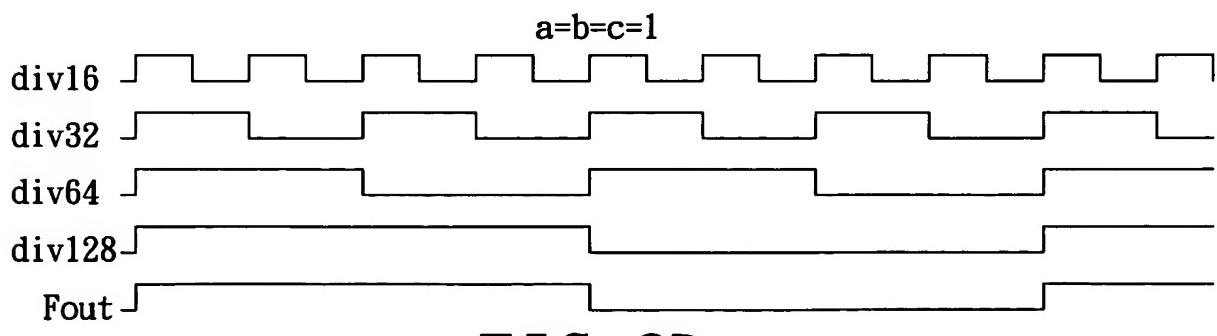
**FIG. 3A**



**FIG. 3B**



**FIG. 3C**



**FIG. 3D**

**Truth Table**

MC	a	b	c	output
0	0	0	0	div 16
1	0	0	0	div 17
0	1	0	0	div 32
1	1	0	0	div 33
0	1	1	0	div 64
1	1	1	0	div 65
0	1	1	1	div 128
1	1	1	1	div 129

**FIG. 4**